

Datasheet for ABIN7533998
PDGFRA Protein (Fc Tag,His tag)



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Overview

Quantity:	100 µg
Target:	PDGFRA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PDGFRA protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human PDGFR-alpha/CD140a Protein
Sequence:	QLSLPSILPN ENKVVQLNS SFSLRFCGES EVSWQYPMSE EESSDVEIRN EENNSGLFVT VLEVSSASAA HTGLYTCYYN HTQTEENELE GRHIYIYVPD PDVAFVPLGM TDYLVIVEDD DSAIIPCRRT DPETPVTLHN SEGVVPASYD SRQGFNGTFT VGPYICEATV KGKKFQTIPF NVYALKATSE LDLEMEALKT VYKSGETIVV TCAVFNNEVV DLQWTYPGEV KGKGITMLEE IKVPSIKLVY TLTVP EATVK DSGDYECAAR QATREVKEMK KVTISVHEKG FIEIKPTFSQ LEAVNLHEVK HFVVEVRAYP PPRISWLKNN LTLIENLTEI TTDVEKIQEI RYRSKCLKLIR AKEEDSGHYT IVAQNEDAVK SYTFELLTQV PSSILDLVDD HHGSTGGQTV RCTAEGTPLP DIEWMICKDI KKCNNETSWT ILANNVSNII TEIHSRDRST VEGRVTFKAV EETIAVRCLA KNLLGAENRE LKLVAPTLRS E
Specificity:	Gln24-Glu524
Purity:	> 97 % by SDS-PAGE.

Product Details

Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant Human PDGF-B at 2 µg/mL (100 µL/well) can bind recombinant Human PDGFRA, the EC ₅₀ of Human PDGFRA is 109 ng/mL.

Target Details

Target:	PDGFRA
Alternative Name:	PDGFR-alpha/CD140a (PDGFRA Products)
Background:	Description: This protein is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers. Name: PDGFRA,CD140A,PDGFR-2,PDGFR2,GAS9,RHEPDGFRA
Gene ID:	5156
UniProt:	P16234
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Platelet-derived growth Factor Receptor Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Handling

Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.